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**Yeung et al.**

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[54] **ANTI-ADHESION FILMS AND COMPOSITIONS FOR MEDICAL USE**

[75] Inventors: **Jeffrey E. Yeung**, San Jose; **George H. Chu**, Cupertino; **Frank A. DeLustro**, Belmont; **Woonza M. Rhee**, Palo Alto, all of Calif.

[73] Assignee: **Collagen Corporation**, Palo Alto, Calif.

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[58] Field of Search ..... 525/54.1; 523/105, 523/113; 530/356; 602/50, 52

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*Primary Examiner*—Nathan M. Nutter

*Attorney, Agent, or Firm*—Laurie A. Axford; Shirley L. Church; Wilhelmus J. Wytenburg

[57] **ABSTRACT**

Anti-adhesion films useful for the prevention of surgical adhesions are disclosed. These films comprise substrate materials (such as collagen) and hetero-bifunctional anti-adhesion binding agents, wherein the substrate material is covalently linked to receptive tissue within the body of a patient via the binding agent. Preferred binding agents comprise substrate-reactive and tissue-selective functional groups. Anti-adhesion compositions useful for the formation of such films are also disclosed.

**24 Claims, 9 Drawing Sheets**